

PUBLISHED BY AUTHORITY

संव 10]

नई विल्ली, शनिवार, मार्च 5, 1983 (फाल्ग्न 14, 1904)

No. 10]

NEW DELHI, SATURDAY, MARCH 5, 1983 (PHALGUNA 14, 1904)

इस भाग में भिन्न पुष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग]]]—खण्ड 2

PART III—SECTION 21

्पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसुचनाएं और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 5th March 1983

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras baving territorial jurisdiction on a zonal basis as shown below :--

Patent Office Branch, Todi Estates, III Floor, Lower Parel (West), Bombay-400013. Telegraphic address "PATOFFICE".

The Staes of Gujarat, Maharashtra, and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi. 1-487 GI/82

Patent Office Branch, 61, Wallajah Road, Madras-600 002. Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondichery, Laccadive, Minicoy and Aminidivi Islands.

GISTERED NO. D.

Patent Office (Head Office), 214, Acharya Jagadish Bose Road, Calcutta-700 017. Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees:—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or change, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

CORRIGENDA

In the Gazette of India, Part III, Section 2, dated the 21st August 1982 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 480, column 2, against No. 150241for Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch. read Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

(2)

In page 482 co'n yn 1, line 26, please put serial No. 150248 at the right hand side.

(135)

(3)

In the Gazette of India, Part III, Section 2, dated the 28th August 1982 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 492, column 2, in classification line at right hand side-

for 150277

read 150272

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The date shown in crescent brackets are the dates claimed Under Section 135, of the Act.

27th January, 1983

- 102/Cal/83, The Babcock & Wilcox Company. Centrifugal compressor surge control system.
- 103/Cal/83. Westinghouse Electric Corporation. An electrical shorting switch assembly including a last to open last to close arching switch.
- 104/Cal/83. Westinghouse Electric Corporation. Fixture for laser scribing (of dendrite silicon cells).

28th January, 1983

- 105/Cal/83. Chloride India Limited. Method of manufacturing a lead based alloy.
- 106/Cal/83. Brown & Williamson Tobacco Corporation. Cigarette filter
- 107/Cal/83, United Technologies Corporation, Catalytic combustor.
- 108/Cal/83. Ethicon, Inc., Ligating clip cartridge.
- 109/Cal/83. Ethicon, Inc. Tip configuration for a ligating clip applier.
- 110/Cal/83. Ethicon, Inc. Multiple ligating clip applier instrument.
- 111/Cal/83. Adhar Sahijram Mirchandani. A flushing cistern, 29th January. 1983
- 112/Cal/83. Dynamit Nobel Aktiengesellschaft. Process for the production of shaped bodies formed from a glass fibre-reinforced polyvinyl chloride material.

31st January, 1983

- 113/Cal/83, Syntex (U.S.A.) Inc. Substituted 9-(1 or 3-mono-acyloxy or 1,3-diacyloxy-2-propoxymethyl) purines antiviral agent.
- 114/Cal/83. Monsanto Company. 3,5-bis (trifluoromethyl) phenoxy carboxylic acids and derivatives thereof.
- 115/Cal/83. Monsanto Company. A, process for preparing 3-aryl-isoxazol-5-yl-benzoic acid and esters thereof. [divisional date 19th December, 1979].

1st February, 1983

- 116/Cal/83. Intent Patent A.G. Electronic ballast system.
- 117/Cal/83. The Regents of the University of California. High strength, low carbon, dual phase steel rods and wires and process for making same.
- 118/Cal/83. Wenell F. Rossman. A horizontal axis wind energy conversion system with aerodynamic blade pitch control.
- 119/Cal/83. Norton Company. Method for separating unreacted material form crude silicon carbide.
- 120/Cal/83. Dr. Rollan Swanson. Process for recovering hydrocarbon and other values from shale oil rock. [Addition to No. 408/Cal/81].
- 121/Cal/83. Pilkington Brothers P.L.C. Thermally toughening glass. 1st February, 1982). (11th October, 1982).

122/Cal/83. Politechnika Slaska Im. Wincentego Pstrowskiego.

Device for safety guiding of hauling chain especially at ranging drum shearer in coal mining.

[Divisional date 24th July, 1979].

2nd February, 1983

- 123/Cal/83. Siemens Aktiengesellschaft, Electrical fuse link.
- 124/Cal/83. Brown & Williamson Tobacco Corporation, Improvements relating to smoke filters. (2nd February, 1982).
- 125/Cal/83. Brown & Williamson Tobacco Corporation. Improvements relating to tobacco smoke filters. (2nd February, 1982.)
- 126/Cal/83. Brown & Williamson Tobacco Corporation. Improvements relating to tobacco smoke filters, 2nd February, 1982).
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI-5.

1st January, 1983

- 1/Del/83. Satyapal Singh Guleria and Padma Vasudevan, "An apparatus for the storage and transportation of agricultural and horticultural produce".
- 2/Del/83 Satyapal Singh Guleria and Padma Vasudevan, "A process for the preservation of agricultural and horticultural produce".
- 3/Del/83. Prem Dutta Grover, "A process for producing briquetted fuel from agricultural residuoua". [Divisional data January 1, 1983]
- 4/Del/83. Prem Dutta Grover, "A process for producing fuel in a briquetted form from the wastes of sugar mills".

4th January, 1983

- 5/Del/83. Borden (UK) Limited, "Foundry moulds and cores" (February 9, 1982).
- 6/Del/83. Imperial Chemical Industries PLC, "Thixotropic resins" (January 19, 1982).

5th January, 1983

7/Del/83. Hughes Aircraft Company, "Process for prepartion of ultrapure thorium fluoride".

6th January, 1983

8/Del/83. Arthur Conard Barnes and Carl Edmund Barnes, "A method of polymerizing 2-pyrrolidone to form a melt extrudable product". [Divisional date April 2, 1979].

7th January, 1983

9/Del/83. Council of Scientific and Industrial Research, "Production of gallic acid from terminalia chebula fruits and its subsequent conversion to its trimethyl

10th January, 1983

10/Del/83. Velsicol Chemical Corporation, "New rodenticide compositions".

11th January, 1983

- 11/Del/83. Purolator India Limited, "A filter for use in a filtration system of a diesel engine".
- 12/Del/83 Purolator India Limited, "A filter insert".
- 13/Del/83. ISAAC Newton and George Stephen, "stabilizer for use in a two or three wheeler vehicle employing a magneto".
- 14/Del/83. ISAAC Newton and George Stephen, "A stabilizer for use in a two or three wheeler vehicle employing a magneto".

15/Del/83. Maschinenfabrik Reinhausen Gebruder Scheubeck Gmbh & Co. KG, "A tap switch for a tapped transformer."

12th January, 1983

- 16/Del/83. ASA S.A., "Process and device for obtaining a spun yarn of fibres comprising an internal core and novel types of spun yarns thus made".
- 17/Del/83. ASA S.A., "Device for stretching, condensing and transporting a rove of fibres during a spinning operation".
- 18/Del/83. PRB Nobel Explosifs, "Continuous process for the production of syrupy explosive compositions which can be put cartidges on a cutting machine and products obtained".

13th January, 1983

- 19/Del/83. Alan David Baldwin, "Dewatering apparatus" (January 19, 1982).
- 20/Del/83. Dresser Industries, Inc., "Improved antigas locking apparatus".

14th January, 1983

- 21/Del/83. La Telemecanique Electrique, "A design for resiliently holding a contact bridge".
- 22/Del/83. The Bendix Corporation, "Wedge actuated drum brake assembly".
- APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, III FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-400 013.

12-01-1983

- 5/BOM/83. Suresh Chimanlal Choksi, Improvement on electric domestic milling appliance for all grains.
- 6/BOM/83, Keserbhavi Bhimsen Rao, Tidal power plant to produce hydal power.

13-01-1983

- 7/BOM/83. Bhaskur Hari Patwardhan. An automatic sluice gate.
- 8/BOM/83. Grindwell Norton Limited. Three phase electrical resistance furnace for the manufacture of green, black or electrical grade silicon carbide, SiC.
- 9/BOM/83. Prakash Shankar Bandarkar. A novel automatic wicket sluice gate.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAR ROAD, MADRAS-600 002.

18th January, 1983

- 11/Mas/83. U. V. Nayak. A Machine to Climb Palms, Masts or branchless tree stems.
- 12/Mas/83. Tube Investments of India Limited. A Scat Shock Absorber for a Two Wheelers Vehicles.
- 13/Mas/83. The Hyderabad Science Society. A Dynamic Model for Demonstration of the Crystal structure of Alloys with respect to their temperature-composition equilibrium diagram.

20th January, 1983

14/Mas/83, Lucas Industries Public Limited Company. A Vehicle Shoe Drum Brake.

21st January, 1983

- 15/Mas/83. T. K. Mathew. "Automatic Porce amplifier"—for fuel Mechanical Energy.
- 16/Mas/83. C. R. Reddy. Improvement sin or relating to DESALINATION of water using ionic filters.

22nd January, 1983

17/Mas/83. V. E. Edwin. Method of making safety match aticks.

24th January, 1983

- 18/Mas/83. Southern Petrochemical Industries Corporation Ltd., A process for the removal of chromium from cooling tower blow down.
- 19/Mas/83. Southern Petrochemical Industries Corporation Ltd., A process for the manufacture of bricks from phosphogypsum.
- 20/Mas/83. S. Thavithu. Spring wheels and axle.
- 21/Mas/83, Mrs. N. G. Manjeshwar & M. Gurudutt. An improved Flushing Cistern.

29th January, 1983

22/Mas/83. A. M. Thomas & Mrs. E. Thomas. Solar Bird.

ALTERATION OF DATE

151182

64/MAS/79-Antc dated 5th February 1979.

151184

852/Del/80-Ante dated 28th December 1977.

151201

361/Del/80---Ante dated 13th July 1978.

151202

823/Del/79—Ante dated 4th May 1978.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four moaths of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office. Calcutta on payment of the prescribed copying charges which may be accertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS-35F & 901.

151165.

Int, Cl. C 03 C 3/00.

METHOD OF MAKING A BOROSILICATE CAMPOSITION.

Applicants: PITTSBURGH CORNING CORPORATION, OF 800 PRESQUE ISLE DRIVE, PITTSBURGH, PENN-SYLVANIA 15239, UNITED STATES OF AMERICA.

Inventor: DAVID ROSTOKER.

Application No. 141/Cal/78 filed February 7, 1978.

Convention date 29th April 1977 (277, 327/77) Canada.

Appropriate Office for Opposition Proceedings Patents Rules, 1972) The Patent Office, Calcutta.

4 Claims.

A method of making a borosilicate composition that is suitable for making a cellular borocilicate body which comprises (a) forming an aqueous boric acid solution (b) separately forming an aqueous slurry of colloidal silica, potassium hydroxide, and colloidal alumina, (c) mixing the boric acid solution with said aqueous slurry, whereby said boric acid is absorbed on to the surface of the colloidal particles, (d) drying said slurry to form aggregates of the solid constituents in the slurry, (c) subjecting said aggregates to a calcining elevated temperatures sufficiently high to cause fusion of aggregates, and (f) thereafter quickly quenching said calcined aggregates to prevent devitrification of said calcined aggregates.

(Compl. Specn. 20 Pages. Drg. 1 Sheet.)

CLASS-35E & 901.

151166.

Int, Cl. C 03 C 3/00.

A METHOD OF MAKING A CELLULAR BODY FROM A HIGH SILICA BOROSILICATE COMPOSITION.

Applicants: PITTSBURGH CORNING CORPORATION, OF 800 PRESQUE ISLE DRIVE, PITTSBURGH, PENNSYLVANIA 15239, UNITED STATES OF AMERICA.

Inventor: SHRIDHAR BALKRISHNA JOSHI

Application No. 142/Cal/78 filed February 7, 1978.

Convention date 11th November, 1977 (30574/77)

Appropriate Office for Opposition Proceedings Patents Rules, 1972) The Patent Office, Calcutta.

27 Claims.

A method of making a cellular body from a borosilicate composition containing more than 80% by weight silica comprising, preparing a pulverulent homogenous mixture from constituents comprising amorphous silica, alumina, boric acid, an alkali metal oxide and a cellulating agent, said mixture containing more than 30% by weight amorphous silica, an thereafter subjecting said pulverulent homogeneous mixture to a temperature sufficient to coalesce said homogeneous mixture and gasify said cellulating agent to form a cellular body having a substantially uniform cell structure.

(Compl. Specn. 50 Pages. Drg. 2 Sheets.)

CLASS-157D: 4 & 5.

151167.

Int. Cl. B 61 b 1/00.

IMPROVEMENTS IN OR RELATING TO A TRAVELLING ONTRACK MACHINE FOR SMOOTHING OUT IRREGULARITIES, PARTICULARLY RIDGES, ON THE RAIL HEAD SURFACES OF LAID TRACKS.

Applicants: FRANZ PLASSER BAHNBAUMASCHINEN INDUSTRIEGESELESCHAFT M.B.H., OF JOHNNES-GASSE 3, VIENNAL, AUSTRIA.

Inventors: ING. JOSEF THEURER, AND DIPL. ING DR. KALUS RIESSBERGER.

Application No. 1117/Cal/78 filed October 16, 1978.

Appropriate Office for Opposition Proceedings Patents Rules, 1972) The Patent Office, Calcutta. (Rule 4,

15 Claims.

A travelling on-track machine for smoothing out irregularities particularly ridges, on the rail head surfaces of laid tracks, comprising at least one tool support which is connected for vertical adjustment to the machine frame and which is guided vertically and laterally along the rail, wherein the tool support which, in particular, is reinforced preventing bending, comprised at least one cutter head equipped with at least one cutting tool and intended for continuous advance, in particular together with the machine, along the surface of the rail head.

(Compl. Specn, 20 Pages. Drg. 1 Sheets.)

CLASS-34D.

151168.

Int. Cl. D 01 f 7/00, 9/00

A PROCESS FOR THE PRODUCTION OF HYDROPHILIC POLYESTER FIBRE.

Applicants:—AKZO N.V., OF ARNHEM, THE NETHER-LAND, USSELLAAN 82.

Inventors:—DR. NIKOLAUS MATHES DR. KLAUS GERLACH AND DR. WOLFGANG LANGE.

Application No. 1314/Cal/78 filed December 12, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

20 Claims. No drawing

A process for the production of a hydrophilic polyester fibre having a stable pore system which is capable of capillary condensation at 20 °C and at a relative humidity of less than 97% and has moisture absorption capacity of greater than 2%, by weight, at 40°C and 92% relative humidity, the proportion of moisture absorption induced by capillary condensation being at least 25% which process comprises spinning a polyester composition containing from 80 to 99%, by weight of a polyester and 1 to 20%, by weight, of one or more oxalato compleses corresponding to the following general formula:

$$M_n [Z (C_2 O_4)_m]$$

wherein M represents at least one of the following ions:

Li, Na, K, Rb, Cs or NH':

Z represents at least one complex-forming central atom selected from Mg, Ca, Sr, Ba, Zr, Hf, Ce, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Cd., B, Al, Ga, In, Sn, Pb and Sb;

n represents 1, 2, 3 or 4; and m represents 2, 3 or 4: stretching the resulting filament and hydrofixing the resulting filament at a temperature of from 90 to 170°C in the presence of liquid water.

(Compl. Specn, 52 Pages. Drg. Nil.)

CLASS-169B₂.

151169.

Int. Cl. F 41 g 11/00.

IMPROVEMENTS IN OR RELATING TO TRAINING EQUIPMENT.

Applicants :—AUSTRALASIAN TRAINING AIDS(PTY) LTD., OF 161-169 FALLON STREET. ALBURY NEW SOUTH WALES, AUSTRALIA.

Inventor: -LINDSAY CHARLES KNIGHT.

Application No. 17/Cal/79 filed January 6, 1979. Convention date 6th January, 1978 (00566/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta,

14 Claims

A training equipment for training personnel, said equipment comprising a weapon, means for detecting the pressure applied to predetermined parts of the weapon by a person holding the weapon, and means for recording or displaying the pressure applied to the said predetermined parts of the weapon.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS-271.

151170.

Int.Cl. E 04 C 2/24.

PROCESS AND APPARATUS FOR THE MANUFACTURE OF BAND OR BOARDS FROM FLUID EVOLUTIVE PRODUCT.

Applicants:—SAINT-GOBAIN INDUSTRIES, OF 62 BOU-LEVARD VICTOR HUGO F 92209 NEUILLY SUR SEINE (FRANCE).

Inventor:—ADREIN DECOIGNE AND JACQUES LANNEAU.

Application No. 83/Cal/79 filed January 25, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

40 Claims.

A process for the manufacture of a band or boards from a fluid evolutive product as hereinbefore described which comprises pouring on a movable casting bed travelling at uniform velocity said product contained in a reservoir placed directly over the casting bed at a pressure head with respect to said casting bed, said product being poured to the casting bed through a transverse slit which is parallel and adjacent to the casting bed and formed under the downstream wall of said reservoir, characterised in that well-agitated and uniform mixture of said product is provided in said reservoir by introducing continuously said fluid evolutive product into the reservoir by a plurality of nozzles immersed in the mass of product already in said reservoir, said introduced product creating a number of horizontal vortices thereby spreading said product laterally in the reservoir in the agitated condition and thereby preventing any dead spots and/or deposit of the product.

(Compl. Specn. 31 Pages, Drg. 7 Sheets.)

CLASS-160A.

151171.

Int. Cl. B 62 d 33/00.

MULTI-PURPOSE VEHICLE.

Applicant & Inventor: —WILLIAM GEORGE SPENCE, OF PLEASANT STREET, NORTH TORY, VERMONT 05859, UNITED STATES OF AMERICA.

Application No. 86 Cal/79 filed January 27, 1979.

Convention date 28th January, 1978 (03579/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

6 Claims.

A multi-purpose vehicle comprising a generally rectangular frame supported by four wheels each adapted to be driven and steered over a predetermined course, said frame having a pair of longitudinally extending frame members and a pair of members transverse to said longitudinally extending frame members and comprising a front and a rear frame member, a tow bar supporting member secured to each of the longitudinally extending frame members, each tow bar supporting member having a vertical wall portion formed with spaced—apart openings along the length thereof, a tow bar having at least one pair of arms of V-shape formation in plan view, the free ends of said arms being pivotally secured in selected openings in each said tow bar supporting member, and means proximate the juncture of said V-shaped formation for enabling selective loading of said vehicle.

(Compl. Specn. 42 Pages. Drg. 7 Sheets.)

CLASS-127A.

151172.

Int.Cl. F 16 d 47/00.

COUPLING DEVICE WITH SPRING DAMPER.

Applicants:—DANA CORPORATION, OF VIRGINA, U.S.A. OF 4500 DORR-STREET, TOLEDO, OHIO, U.S.A.

Inventor: -- WILLIAM HOWARD SINK

Application No. 107/Cal/79 filed February 3, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

13 Claims.

A coupling device comprising a rotatable driving member, a rotatable driven member, and a plurality of stacked and generally C-shaped spring; connecting said driving member and said driven member, each of said springs having two end portion, one of said end portions of each spring operatively connected to said driving member and the other of said end portions of each spring operatively connected to said driven

member, wherein said end portions of said springs are circumferentially staggered.

(Compl. Specn. 18 Pages. Drg. 2 Sheets.)

CLASS-40F, 98D & F.

151173.

Int.Cl. B 01 d 53/00.

A METHOD OF PREVENTING OR REDUCING CORROSION OF AN APPARATUS HAVING PARTS MADE OF IRON OR STEEL WHILE TREATING THEREIN A GAS MIXTURE CONTAINING AT LEAST ONE ACID GAS WITH AN ORGANIC SOLVENT.

Applicants:—LINDE AKTIENGESELLSCHAFT, OF ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors :—DR, HEINZ KARWAT, ROLAND LANG AND DR. WOLGANG JELEND.

Application No. 122/Cal/79 filed February 9, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

10 Claims.

A method of preventing or reducing corrosion of an apparatus having parts made of iron or steel while treating therein gas mixture such as crude gases produced by the combustion of carboniferous fuels, containing at least one acid gas such as herein described with an organic solvent such as herein described, wherein the treatment is effected in the presence of at least one alkaline-reacting is effected in the presence of at least one alkaline-reacting substance such as herein described.

(Compl. Specn. 20 Pages. Drg. 2 Sheets.)

CLASS-105G.

151174.

Int.Cl. B 60 C 9/14, 19/12.

AN IMPROVED TYRE/TUBE ASSEMBLY FOR PNEUMATIC TYRES.

Applicants:—DUNLOP INDIA LIMITED, OF 57B, MIRZA GHALIB STREET, CALCUTTA-700 016, STATE OF WEST BENGAL, INDIA.

Inventors:—ASIT RANJAN KUSARI AND PARTHA PRATIM DAS GUPTA.

Applications No. 409/Cal/79 filed April 21, 1979.

Complete specification left on 20th June 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims

An improved tyre and tube assembly for pneumatic tyres characterized in that a protective sheath is introduced between the tyre carcass and the tube and the said sheath being of crescent shape along its transverse section so that the free edges of the sheath merge with the contour of the tyre and tube.

(Compl. Specn. 22 Pages. Drg. 1 Sheet.)

CLASS 33A.

151175.

Int. Cl. C 21 C 7/00.

APPARATUS FOR VACUUM TREATMENT OF METAL MELTS.

Applicants: VACMETAL GESELLSCHAFT FUR VA-KUUM-METALLURGIE M.B.H., OF HEILIGER WEG 44, 4600 DORTMUND, WEST GERMANY.

Inventor: GABRIEL LAMARQUE

Application No. 533/Cal/79 filed May 23, 1979.

Convention date 4th May, 1979 (15606/79) U.K.

Apprepriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

4 Claims.

Apparatus for vacuum treatment of a metal melt, the apparatus enabling both degassing treatment with reheating under reduced pressure and decarburizing treatment under treatment under vacuum to be effected selectively and comprising a vacuum-tight ladle or other container for the melt supported on and movable by a carriage, a vacuum-tight cover for sealing the container, housings movable in vacuum-tight passages provided in the cover, the housings each comprising a water-cooled open tube, a gripper body for clamping an electrode, a reserve compartment, and a graphite electrode held by clamping means against the body, means for supplying electric power to the gripper body and arms each of which receives one of the vacuum-tight housings, the arms being movable vertically, wherein the apparatus further comprises ring mounted above and attached to the gripper body of one of the housings, the ring being connected to the reserve electrode compartment of this housing by quick-acting attachments this housing receiving an oxygen lance after disconnection of the quick-acting attachments to enable the apparatus to be changed over from use for degassing and reheating to use for decarburization, and a shield with a single passage for the said lance for fitting within the cover.

(Compl. Specn. 6 Pages. Drg. 3 Sheets.)

CLASS 205G.

151176.

Int. Cl. B 60 C 9/14; 19/12,

AN IMPROVED TYRE/TUBE ASSEMBLY FOR PNEU-MATIC TYRES.

Applicants: DUNLOP INDIA LIMITED, OF 57B, MIRZA GHALIB STREET, CALCUTTA-700 016, STATE OF WEST BENGAL, INDIA.

Inventors: ASIT RANJAN KUSARI AND PARTHA PRATIM DAS GUPTA.

Application No. 536/Cal/79 filed May 23, 1979.

Addition to No. 409/Cal/79.

Complete Specification left on 21st June 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

3 Claims.

Improvement in or modification of the tyre/tube assembly for pneumatic tyres as described and claimed in 409/Cal/79 characterized by that the sheath is made from a hard substance or material such as polythene, plastic, fibre glass or polypropylene or a metal sheet of yielding thickness either alone or in combination with any of the materials specified above.

(Compl. Specn. 10 Pages. Drg. 1 Sheet.)

CLASS 206E.

151177.

Int. Cl, H 03 K.

A D.C. TRIGGERED MASTER-SLAVE FLIP-FLOP CIR-CUIT.

Applicants: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor: KENNETH WILLIAM LAMBERT.

Application No. 557/Cal/79 filed May 30, 1979.

Convention date 31st May, 1978 (24847/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

4 Claims.

A d.c. triggered master-slave flip-flop circuit comprising a master flip flop circuit having an input terminal the voltage at which determines the state of the master flip?flop circuit, means providing positive feedback from the output to the input of the master flip-flop circuit, a slave circuit having an input connected to the output of the master flip-flop circuit

and controlling the mode of connection of the master flipflop circuit to a signal source, and capacitive delay means at the input of each of the master flip-flop circuit and the slave circuit.

(Compl. Specn. 15 Pages. Drg. 1 Sheet.)

CLASS 163D.

151178.

Int. Cl. F 16 n 17/00.

VENTING DEVICE FOR THE HOUSING OF A ROTARY MACHINE.

Applicants: VOITH TURBO GMBH & CO. KG, OF VOITHSTRASSE 1, D-7180 CRAILSHEIM, FEDERAL REPUBLIC OF GERMANY.

Inventor: GEORG WAHL.

Application No. 585/Cal/79 filed June 5, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

13 Claims.

A venting device for venting the housing of a rotary machine which includes a housing; a rotating part in said housing; said rotating part including a rotating surface thereon; said venting device comprising: venting duct means leading from inside said housing to outside thereof; a liquid-mist separator located in said duct means for removing liquid-mist from air passing through said separator; and, a pecling device for removing the boundary layer of mist-laden air which is rotating along with said rotating surface; said pecling device serving as an inlet to said venting duct means, whereby the kinetic energy of the boundary layer of mist laden air pecled off by said pecling device drives the mist laden air through said duct means and through said liquid-mist separator.

(Compl. Specn. 12 Pages. Drg. 1 Sheet.)

CLASS 32E.

151179.

Int. Cl. C 08 f 1/00, 3/00.

IMPROVED HOMOGENIZER PROCESS FOR FORM-ING EMULSION/SUSPENSION POLYMERS.

Applicants: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

Inventor: CHUNG HWEI WEI.

Application No. 669/Cal/79 filed June 29, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

In an aqueous, emulsion/suspension polymerization process for forming polymeric materials comprising at least one initial emulsion polymerization reaction of monomer in water and at least one sub-sequent suspension polymerization process in which the emulsion polymerization product is used as a reaction ingredient, wherein the improvement comprises the mechanical homogenization of the monomer in water prior to said emulsion polymerization reaction and the monomer that is polymerized in the emulsion polymerization process is adapted to form a rubbery polymer and the monomer polymerized in the suspension polymerization process is adapted to form a rigid polymer.

(Compl. Specn. 23 Pages. Drg. 1 Sheet.)

CLASS 128F.

151180.

Int. Cl. A 61 m 31/00.

A METHOD OF OBTAINING A BIOLOGICALLY ACTIVE POLYAMIDE NET FOR IMPLANTING INTO THE HUMAN BODY BY MEANS OF SURGICAL INTER-VENTION.

Applicants: DSO "PHARMACHIM", OF 16, ILIENSKO CHAUSSEE, SOFIA, BULGARIA.

Inventors: KIRIL DIMOV DIMOV, NIKOLAY BERIS-SEV VASSILEV, DIMITER GANCHEV DIMITROV, EKA-TERINA IVANOVA TERLEMEZYAN, ANGELINA HRIS-TOVA GEORGIEVA AND BORISLAV ALEXANDROV DIMITROV.

Application No. 921/Cal/79 filed September 4, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

1 Claim. No drawing.

A method of obtaining of biologically active polyamide net for inserting into the human body by means of surgical intervention, characterized in that the net is treated twice with non-ionogenic detergent for 5 to 30 minutes, at 20 to 90°C, thereafter it is treated twice, first with boiling water for 5 to 30 min, and next with water at 1 to 30°C, then it is treated with alcohol or acctone for 5 to 30 min at room temperature and with agitation after which the net is washed with distilled water, drained up to 50% residual humidity and treated at 20 to 90°C temperature for 5 to 120 min with solutions of antibacterial preparations, and is then washed with water having the part of 5 to 30°C for 5 to 30 min and dried at 20 to 100°C until 2-5% residual humidity is reached.

(Compl. Specn. 6 Pages. Drg. Nil.)

CLASS 39K.

151181.

Int. Cl. C 01 b 25/18.

A PROCESS FOR TREATING A CRUDE WET- PROCESS PHOSPHORIC ACID.

Applicants: RHONF-POULENC INDUSTRIES, OF 22, AVENUE MONTAIGNE, 75 PARIS (8), FRANCE.

Inventors: GUY NINEUIL, JEAN BOUTIN, AND MAURICE CHAMBON.

Application No. 81/Cal/80 filed January 21, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

20 Claims.

A process for treating a crude wet-process phosphoric acid produced by attack on phosphate-bearing rocks by sulphuric acid, followed by filtration, in which (a) the solution of crude phosphoric acid is subjected to a treatment by means of an absorbing agent under conditions such that the adsorbing agent becomes dispersed in the starting solution: (b) the resulting suspension is treated by means of a flocculating agent; (c) the resulting mixture is kept in a condition of non-shearing agitation; and (d) the flocculated phase is separated from the purified liquid phase that forms the product.

(Compl. Specn. 18 Pages. Drg. 1 Sheet.)

CLASS 65A2.

151182.

Int. Cl. H 02 p 7/28.

A SEQUENTIAL CONTROL THYRISTOR CONVERTER.

Applicant: ELECTRONICS CORPORATION OF INDIA LIMITED INDUSTRIAL DEVELOPMENT AREA, CHERLAPALLI, HYDERABAD-500 762, A.P.

Inventor: KAVASSERI NARAYANASWAMY RAMA-NATHAN.

Application No. 64/Mas/80 filed March 31, 1980.

Division of 22/Mas/79 (150065) filed February 5, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Madras Branch.

6 Claims.

A sequential control thyristor converter comprising at least one bridge consisting of four arms, each arm having at least one silicon control rectifier or diode, the first and second arms constituting the upper set of arms, the third and fourth

arms constituting the lower set of arms, at least one upper auxiliary arm connected to the upper set of arms and a tapping of the secondary of a transformer, at least one lower auxiliary arm connected to the lower set of arms and said tapping of the secondary of a transformer, each of said auxiliary arms having at least one silicon control rectifier.

(Compl. Speen, 10 Pages. Drg. 1 Sheet.)

CLASS 195C.

151183.

Int. Cl. F 16 k 5/00.

A TAP.

Applicant & Inventor: MRS. PRABHA SRIDHAR NO. 3, PINJALA SUBRAMANIA IYER STREET, T. NAGAR, MADRAS-600 017, TAMIL NADU.

Application No. 179/Mas/80 filed September 23, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent's Rules, 1972) The Patent Office, Madras Branch.

7 Claims.

A tap comprising a body for receiving a liquid through an inlet and for discharging the liquid through an outlet; a spindle movably engaged with the body, the spindle being manually operable at one end thereof and being provided at the other end thereof with a valve member adjacent the outlet characterised in that the valve member is movably suspended by known means from the spindle so as to allow a relative movement between the valve member and the spindle, the arrangement being such that as the spindle is operated to freely lower the valve member on to the outlet, the pressure of the liquid within the body urges the said member against the outlet to securely close it.

(Compl. Specn. 10 Pages. Drg. 1 Sheet.)

CLASS 39₀.

151184.

Int. Cl. C 01 b 33/12, 33/32.

A PROCESS FOR THE PREPARATION OF SODIUM SILICATE.

Applicants COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, OF RAFI MARG, NEW DELHI-110 001, INDIA.

Inventor: PRAKASH CHANDRA BORTHAKUR, PRA-DIP CHANDRA SAIKIA, RUNIMA BARUAH, AND SAMARENDRA NATH DUTTA.

Application No. 852/Del/80 filed November 28, 1980.

Division of application No. 517/Del/77 filed December 28, 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), The Patent Office, Delhi Branch.

9 Claims. No drawing.

A process for the preparation of sodium silicate which comprises: (1) pre-treating paddy husk or paddy husk ash with a mineral acid: (ii) washing the treated husk or husk ash with water to free it from residual acid, (iii) drying the acid-freed husk or husk ash; (iv) burning the dried acid-treated husk or husk ash at a temperature of from 550° to 800°C to obtain active silica in the form of ash; and (v) mixing said active silica ash with a sodium hydroxide solution at a temperature of from 70° to 100°C to obtain sodium silicate.

(Compl. Specn. 16 Pages. Drg. Nil.)

CLASS 9 D.

151185.

Int. Cl. C 22 c 41/00.

"A PROCESS FOR THE PRODUCTION OF PERMANENT MAGNETS."

Applicants: AIMANTS UGIMAG S.A., A FRENCH COMPANY, OF AVENUE D'URIAGE 38830 SAINT-PIERRF-D'ALLEVARD, FRANCE.

Inventors : CLAUDE BRONNER AND DANIEL JUL-I.IEN.

Application No. 817/Del/78 filed on 15th November, 1978.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

5 Claims.

A process for the production of permanent magnet com-A process for the production of permanent magnet comprising thermal treatment in the presence or absence of a magnetic field of a Fc-Co-Cr alloy composed of 10 to 40% of Co, 10 to 40% of Cr, from 0 to 10% of one or more of the elements of the group A1, Nh, Ta, W, Mo. V, Ti, Si and Cu, the remainder being iron, comprising a homogenisation treatment at between 1200 and 1400°C for at least 10 minutes followed by a remide a remainder serious comprising a homogenisation treatment at between 1200 and 1400°C for at least 10 minutes followed by a remide a remide a remide of the compression of the compre minutes, followed by rapid quenching, annealing and one or more tempering treatments at temperatures of between 500 and 600°C the improvement characterised in that the annealing treatment is performed in at least two stages:

- (a) A first stage at temperature of between 630 and 670°C for a period of between 5 and 30 minutes.
- (b) A second stage following immediately after the first stage without a return to low temperature at a temperature of from 40 to 70°C below the previous stage for at least 10 minutes.

(Compl. Specn. 12 Pages. Drg. 1 Sheet.)

CLASS 56-B.

151186.

Int. Cl. C 10 g 11/04.

"PROCESS FOR THE CATALYTIC CRACKING OF HYDROCARBON OILS."

Applicants: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS, A COMPANY GRGANISED UNDER THE LAWS OF THE NETHERLANDS, A RESEARCH COMPANY.

Inventors: EMMANUEL NEEL, ANDRE PERRET AND RICHARD CAILHO.

Application for Patent No. 63/Del/79 filed on January, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Municipal Market Building, 3rd Floor, Saraswati Marg, Karol Bagh, New Delhi-110 005

6 Claims.

A process for the catalytic cracking of hydrocarbon oils comprising passing said oils over a catalyst, which contains at least one crystalline zeolite and which is contaminated by small quantities of at least one heavy metal, in which process before and/or during the cracking reaction boron is incorporated by known methods in the catalyst up to an amount of 0.01 to 2.5% by weight.

(Compl. Specn. 12 Pages. Drg. Nil.)

CLASS 156-E.

151187.

Int. Cl. F 04 b 47/00.

"SUBSURFACE PUMPING INSTALLATION FOR HANDLING VISCOUS OR SAND-LADEN FLUIDS."

Applicants: USS ENGINEERS AND CONSULTANTS, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOING BUSINESS AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA,

Inventor: WALTER SUTHERLAND SECRIST.

Application for Patent No. 69/Del/79 filed on 30th January, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents, Rules, 1972) Patent Office Branch, Municipal Market Bullding Saraswati Marg, Karol Bagh, New Delhi-110 005.

8 Claims.

A subsurface pumping installation which includes

a power tubing which conducts diluent from the surface; a string of solid sucker rods extending from the surface down said power tubing within the diluent;

a pump having a barrel joined to said power tubing, a plunger in said barrel joined to said sucker rod string, a crossover at the bottom of said barrel, and standing and discharge valves in said crossover:

means forming a blending chamber inside said pump beneath said plunger; and

means forming a passage in said plunger communicating with said power tubing and with said barrel for delivering diluent through said plunger to said chamber;

said plunger on its upstroke drawing well fluid through said standing valve into said chamber where it blends with

said plunger on its downstroke forcing a mixture of well fluid and diluent from said chamber through said discharge

the improvement comprising :

means forming a fluid-conducting annulus which surrounds said power tubing and is concentric therewith; and

means closing the bottom of said annulus;

said discharge valve providing communication between said chamber and said annulus enabling said annulus to receive the mixture of well fluid and diluent and conduct the mixture to the surface out of contact with said plungers and said sucker rods.

(Compl. Specn, 15 Pages. Drgs. 2 Sheets.)

CLASS 32-F1 and 32-F2(b).

151188.

Int. Cl. C 07 d 51/00,

"PROCESS FOR PREPARING PYRIMIDONES."

Applicants: SMITH KLINE & FRENCH LABORATORIES LIMITED, A BRITISH COMPANY, OF MUNDELLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENG-Applicants: SMITH KLINE & FRENCH LAND.

Inventors: THOMAS HENRY BROWN AND ROBERT JOHN IFE.

Application for Patent No. 70/Del/79 filed on 30th January, 1979.

Convention date: 13th February, 1978 (5740/78), 25th May, 1978 (22834/78) and 13th November, 1978 (44259/78) all U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-

13 Claims.

A process for preparing a pyrimidone of structure I

$$D = \begin{pmatrix} x \\ x \end{pmatrix} CH_2 - Y - (CH_2)_n MH \qquad \qquad M = 0$$

in which D is hydrogen or R^a RN (CH_{4...})—, R^a and R^a are hydrogen, lower alkyl, aryl (lower alkyl) or R^a and R^a taken together with the nitrogen atom shown can form a pyrrolidino or piperidino group, m is from 1 to 6, X is oxygen or sulphur, Y is sulphur, oxygen or methylene, n is 2 or 3 Z is hydrogen or lower alkyl, A is C₁-C₅ alkylene or-(CH₂)_p W(CH₂)_q-where W is oxygen or sulphur and p and q are such that their sum is from 1 to 4 and B is hydrogen, methyl. C*-C₆ cycloalkyl, a heteroaryl group optionally substituted by one or more of the groups lower alkyl, lower alkoxy, halo, hydroxy and amino, or B is a naphthyl, 6-(2, 3-dihydre 1, 4-benzodioxinyl), or a 4- or 5-(1, 3-benzodioxolyl) group, or a phenyl group optionally substituted with one or more lower alkyl, lower alkoxy, halogen, aryl (lower alkoxy), hydroxy, loweralkoxy-lower alkoxy, trifluoromethyl, di(lower alkyl) amino, phenoxy, halophenoxy, phenyl, halophenyl or lower alkoxyphenyl groups: characterised in that a pyrimidone of Structure 3

Structure 3

wherein B¹ has the same significance as B or is a protected derivative of B, A and Z are as defined in relation to Structure I, Q, is nitroamino (NO₂NH-), lower alkylthio, benzylthio, chlorine, bromine or other group which can be displaced with a primary amine, is reacted with an amine of Structure 2

Strecture 2

in which X, Y and n are as defined in relation to Structure 1 and E is hydrogen or R* R*N(CH₂)_m-, where R* is R¹ and R⁴ is R³ or a monovalent amino-protecting group, provided that R* and R⁴ are not both hydrogen and R³ and R⁴ together can form a divalent amino-protecting group, followed by removal of any protecting group.

Compl. Specn. 43 Pages. Drgs. 1 Sheet.)

CLASS 32 B.

151189.

Int. Cl. C 07 c 9/04.

"A PROCESS FOR THE PRODUCTION OF METHANE FROM CARBON MONOXIDE-CONTAINING GAS STREAMS."

Applicants: UNION CARBIDE CORPORATION, MAN-UFACTURERS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: JULE ANTHONY RABO, LOUIS FRANK ELEK AND JAMES NELSON FRANCIS.

Application No. 151/Del/79 filed on 06th March, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

30 Claims

A process for the production of methane from carbon monoxide-containing gas streams comprising :

(a) passing a carbon monoxide-containing gas stream over a catalyst of the kind such as herein described which is 2-487GI/82

espable of catalyzing the disproportionation of carbon monovide at a pressure of from 1 to 100 atoms, and a temperature of from 100°C to 400°C,, said carbon monoxide thereby being decomposed to form carbon dioxide and an active surface carbon that is deposited on said catalyst, said gas stream being passed over the catalyst for a time sufficient to deposite a surface layer of said active surface carbon on the catalyst essentially without the subsequent formation of inartive coke thereon:

- (b) contacting said layer of active surface carbon deposited on said catalyst with hydrogen, steam, a hydrogen-containing gas stream or a steam—containing gas stream at a pressure of from 1 to 100 atoms, and at a temperature of from 100°C to 400°C, thereby converting said active surface carbon to methane or to a mixture of methane and carbon dloxide; and
- (c) recovering by methods known per se the methane so produced, said methane being at least about 50% of the stoichiometric amount, the carbon thus recovered in the form of methane being at least about 12.5% of the carbon in said carbon monoxide decomposed upon contact with said disproportionation catalyst.

(Compl. Specn. 35 Pages.)

CLASSES 32-F2(b) and 55-E4.

151190.

Int. Cl. C 07 d-51/00.

"A PROCESS FOR PREPARING 2-METHYL-2-HYDRO-XYPROPYL PIPERAZINE-1-CARBOXYLATE COMPOUNDS."

Applicants: PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELA WARE, UNITED STATES OF AMERICA OF 235 EAS1 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors: IRVING MAURICE GOLDMAN, DONALD ERNEST KUHLA AND CONSTANTINE SKLAVOUNOS.

Application for Patent No. 166/Del/79 filed on 8th March, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delbi-

9 Claims.

A process for preparing a 2-methyl-2-hydroxypropyl-4-substituted piperazine-1-carboxylate compound of the formula I:—

wherein R is selected from the group consisting of hydrogen, cyano, 4-amino-6, 7, 8-trimethoxyquinazolin-2-yl and 4-amino-6, 7-dimethoxy-quinazokin-2-yl, which comprises reacting a piperazine compound of the formula H



of the drawings with isobutylene carbonate in or without solvent until about a 9 to 1 ratio of the 2-methyl-2-hydroxy-propyl iv-substituted-piperazine-1-carboxylate compound to the

corresponding 1, 1-dimethyl-2-hydroxyethyl 4-substituted piperazinel-carboxylate structural isomer is produced isolating the product of formula I by known methods.

(Compl. Speen, 17 Pages, Drgs, 1 Sheet.)

CLASSES 134-A, 160-A, D.

151191.

Int. Cl. G 05 d 1/00, B 60 k 27/00.

"A DEVICE FOR GOVERNING AND CONTROL OF THE ANGLE OF BANK OF THE BODY OF AN ARTICULATED VEHICLE"

Applicant & Inventor: PIERRE PATIN, A FRENCH CITIZEN OF 16 BOULEVARD DF 1 HOPITAL, 75005, PARIS, FRANCE.

Application for Patent No. 176/Del/79 filed on 16th March, 1979.

Appropriate Office for Opposition Proceedings (Rule 4. Putents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-

15 Claims.

A device for governing and control of the angle of bank of the body of a vehicle equipped with means of movement and including at least one wheeled base articulated on to the body of the vehicle about a horizontal axis located in the central plane of the body so that the latter can tilt to one side or the other of the vertical plane passing through the axis in order to compensate the effect of centrifugal force in cornering, a pendular mass being mounted to oscillate about an axis on the body in order to control the keeping of the central plane of the body along the apparent vertical passing through the axis of oscillation and the centre of gravity of the pendular mass, characterized by the fact that it comprises means of tilting and of maintaining the angle of bank of the body mounted in relation to and governed by a driving shaft driven in rotation by the means of movement of the vehicle and comprising a tilting mechanism capable of being driven in two opposite directions by the said driving shaft by means of one or other of two coupling means having progressive clutching for governing the latter to one side or the pendular mass, the deviation of the latter to one side or the other, of the plane passing through its axis of oscillation and parallel with the central plane of the body, governing means which determines the tilting of the body in the sense which enables the central plane of the latter to be brought back into the direction of the apparent vertical.

(Compl. Specn. 27 Pages. Drgs. 6 Sheets.)

CLASSES 32 Fa(b).

151192.

Int. Cl. C 07 d 99/00,

"A PROCESS FOR THE PREPARATION OF SUBSTITUTED HEXAHYDROBENZOPYRANO [3, 2-c] PYRIDINES AND THEIR SALTS."

Aprilicanta: LIPHA, LÝÖNÑÁISE INDUSTRIELLE PHARAMACEUTIOUE, A FRANCH CORPORATION, OF 115, AVENUE I ACASSAGNE-69003 LÝON (FRANCE).

Juventors: PHILIPPE BRIET, IEAN-JACQUES BERTHFLON AND JEAN -CLAUDE DEPIN.

Application No. 456/Del/78 filed on 20th June, 1978.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg. Karol Bagh, New Delbi-110 005.

16 Claims.

A process for the preparation of hexahydrobenzopyrano-[3, 2-e] pyridine of the Formula I

For. I

R is hydrogen or a saturated or unsaturated, linear or branched, lower alkyl, an analkyl, acyl, dialkylaminoalkyl, carbonylalkyl, alkoxycarbonyl, haloalkoxycarbonyl, or aryl radical; R1 is hydrogen, a halogen, or a lower alkoxy radical: R2 is hydrogen or a nalogen; R3 is hydrogen, halogen, lower alkyl, alkoxy, nitro or amino, or formas naphthalene with R4 and the benzene ring; R4 is hydrogen, halogen, or, froms naphthalene with R5 and the benzene ring; R5 is hydrogen, lower alkyl, or analkyl; or a salt thereof comprising reacting a 4-piperidone of the Formula-II

For.II

wherein R has the same meaning as above with a 3-ethyl conmarin carboxylate of the Formula III

For. III

whereth R₁, R₂, R₃, R₄ have the same meanings given above opening the resultant adduct by means of ammonium acetate

or by a primary amine of the formula Rs-NH, wherein Rs has the meaning given above by beating together the com-pounds between 20 and 200°C for 3 to 70 hours and then effecting a dehydrating cyclication with hot or cold hydrochloric acid, and if desired, converting the products so obtained to salts thereof by known methods.

(Compl. Speen. 36 Pages. Drgs. 3 Sheets.)

CLASS 152 B.

151193.

Int. Cl. C 08 h 13/00.

"A PROCESS FOR PREPARING PASTE."

Applicants: SOCIETE DES ELECTRODES ET REFRACTAIRES SAVOIE (SERS), A FRENCH COMPANY, OF 12 RUE DU GENERAL FOY, 75008 PARIS, FRANCE.

DANIEL DUMAS. SERGE LACROIX, AND Inventors : JEAN VALION.

Application No. 180/Del/79 filed on 19th March, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

7 Claims.

A process for preparing a carbonaceous luting paste cap-A process for preparing a carbonaccous litting paste cap-able of being cold shaped, essentially comprising (i) at least about 75% by weight of a particulate calcined carbonaccous material which is totally or at least for the major part, a waste from pre-baked graphite or carbon blocks, (ii) a high-temperature plasticizing agent comprising a water-insoluble organic carbonaccous compound like water insoluble thermo-plasticizing agent comprising an aqueous solution of one or more forms of molasses and/or other sugars and/or one or more forms of molasses and/or other sugars and/or one or more alginates and one/or more lignosulphonates.

(Compl. Specn. 18 Pages.)

C'LASSES : 23-B, 23-H.

151194.

Int. Cl. A 47 b 81/00.

"FIRE PROTECTION CABINET."

Applicants: SISTEMCO N. V., OF KERKSTRAAT 10A WILLEMSTAD, CURACAO, NETHERLANDS ANTILLES, A COMPANY ORGANISED UNDER THE LAWS OF NETHERLANDS ANTILLES.

Inventors: FRIEDRICH ROTHHAAS AND GUNTHER PICHLER.

Application for Patent No. 201/Del/79 filed on 26th March, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

11 Claims.

A fire protection cabinet having an outer casing and an inner structure, said inner structure providing at least one drawer compartment in which a drawer is supported on said inner structure, and having a gypsum lilling in the space between said outer easing and said inner structure,, and having

also the improvement which consists in that:
the inner structure is floatingly suspended and supported in and by the gunsum filling and anchoring means extending out from the inner structure into the gypsum filling are provided for anchoring said inner structure in the gypsum filling.

(Compl. Specia, 9 Pages. Digs. 3 Sheets.)

CLASS 129 J.

151195.

Int. Cl. B 21 d 7/02.

"IMPROVEMENTS IN OR RELATING TO WARE OR ROD COIL COLLECTOR."

Applicants: SINGH AND ASSOCIATES, AN INDIAN PARTNERSHIP FIRM, WHOSE PARTNERS ARE RABINDAR SINGH AND KRISHNAMUKTHY RAMAMRITHAM IYER OF A-145 GUJRANWAI A TOWN, DELHI, INDIA.

Inventors: RABINDAR SINGH, SURESH CHANDRA AND DIN DAYAL KAPUR.

Application No. 225/Del/79 filed on 6th April, 1979.

Complete Specification left on 5th April, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipat Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

4 Claims.

A wire or rod coil collector for collecting loops of wires or rods from a roller conveyor comprising a vertical boom for collecting the said loops as coils around it had a horizon-tal boom the axes of the two booms being disposed at right angles to each other and the booms being mounted on two different faces of a cone, which are at right angles to each other, and are inclined to a third face of the cone, the axis of the cone being disposed at 45° to the horizontal axis, a rusher around each boom disposed close to the adjacent faceof the cone, means for turning the cone for exchanging the resitions of the two booms when the vertical boom is fully loaded with coils of wire or 10d and means for moving the pusher on the boom in horizontal position for discharging the coils on the boom.

(Provisional Specification 5 Pages, Drawings 2 Sheets.)

Complete Specification 7 Pages . Drawings 2 Sheets.)

CLASS 129-G.

151196.

Int. Cl. B 23 k 9/00.

'A POWDER CUTTING EQUIPMENT FOR CUTTING OF STAINLESS STEEL, NON-FERROUS METALS AND THEIR ALLÓYS.

Applicants: SINGH AND ASSOCIATES, AN INDIAN PARTNERSHIP FIRM WHOSE PARTNERS RE RABINDAR SINGH AND KRISHNAMURTHY RAMAMARITHAM IYER WHOSE PRINCIPAL PLACE OF BUSINESS IS A. 145 GUJRANWALA TOWN, DELHI, INDIA, BOTH INDIAN NATIONALS.

Inventors: DIN DAYAL KAPOOR, AND HARI GOPAL AGGARWAL.

Application for Patent No. 227/Del/79 filed on 6th April,

Complete Specification left on 5th April, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

5 Claims.

A powder cutting equipment for cutting of stainless steels, non-ferrous metals and their alloys, comprising a dispenser or container for the iron powder, means for supplying compressed air or nitrogen to the dispenser, an injector at the base of the dispenser for the discharge of mixture of the iron powder and air under pressure of mixture of iron powder. and nitrogen gas under pressure, a powder valve connected to the said dispense, a tube from the powder valve com-municating with a powder nozzle through a supply pipe having its discharge opening close to the mouth of a cutting torch whereby non powder is supplied to the powder nozzle under pressure and is delivered at the mouth of the cutting torch.

(Provisional Specification 4 Pages. Drawings 1 Sheet.)

(Complete Specification 7 Pages. Drawings 1 Sheet.)

CLASS 129 J.

151197.

Int. Cl. B 21 b 37/00.

"PROCESS AND APPARATUS FOR SEQUENTIALLY FORMING AND TREATING STEEL ROD."

Applicant: MORGAN CONSTRUCTION COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, U.S.A. OF 15 BELMONT STREET, WORCESTER, MASSACHUSETTS, U.S.A.

Inventors: NORMAN ALLEN WILSON, ASJED AHMED JALIL AND VITO JOSEPH VITELLI.

Application No. 433/Del/79 filed on 14th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

15 Claims.

A process for forming and treating steel rod comprising the steps of :

- (a) continuously hot rolling steel into rod form at high speed at a temperature substantially above A_3 and producing therein an austenitic grain structure immediately after rolling in which extremely small uniformly dispersed austenite grains, formed by recrystallization throughout the cross-section, are rapidly combining to form larger grains under conditions of excess heat above A_5 ;
- (b) reducing the forward velocity of said rod to a substantial standstill by coiling same into rings;
- (c) moving said rings away from the point of coiling to provide gaps between substantial portions of each successive ring:
- (d) Cooling said rings by substantially immersing them sequentially in a liquid cooling medium directly after coiling them and while moving them:
- (e) successively terminating the immersion of the rings in said medium before the temperature of any part of any ring has descended below the knee of the outer curve of the transformation diagram of the particular steel in process;
- (f) Successively blowing air on said rings to further cool same until transformation of the austenite starts at a multiplicity of places around said rings successively, and thereafter:
- (g) further successively cooling the remaining portions of said rings until transformation of the sustenite is complete.

(Compl. Specn. 19 Pages. Drg. 1 Sheet.)

CLASS 32-F₁(a).

1512198.

Int. Cl. C 07 c 149/32.

"PROCESS FOR THE PREPARATION OF DI-(N-METHYL-N-PHENYL-THIURAM)-DISULPHIDE."

Applicants: BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF D-5090 LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

Inventor: CARL DIETER BARNIKEL,

Application for Patent No. 488/Del/79 filed on 6th July, 1979.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

7 Claims.

A process for the preparation of di-(N-methyl-N-phenyl-thiuram)-disulphide by reacting N-methyl aniline with carbon disulphide in the presence of one or more basic compounds such as herein described followed by oxidation using one or more conventional oxidising agents such as herein described, characterised in that N-methyl aniline is reacted with a small excess of carbon disulphide in the aqueous phase using an emulsifier, the basic compounds added being used in excess, in that the reaction mixture is acidified using one or more inorganic and/or organic acids such as herein described on completion of oxidation and the solid obtained is isolated in the conventional way.

(Compl. Speen. 6 Pages. Drgs. NIL.)

CLASS 32C & 55E2.

151199.

Int. Cl. C 07 g 11/00.

A METHOD FOR THE PREPARATION OF INORGANIC SALTS OR TRIMETHYLAMMONIUM DERIVATIVES OF POLYENE MACROLIDES.

Applicants: POLITECHNIKA GDANSKA, OF UL MAJ-AKOWSKIEGO 11/12, GDANSK- WRZESZCZ POLAND.

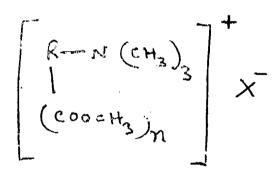
Inventors: LEONARD FALKOWSKI, BARBARA STE-FANSKA, JAN ZIELINSKI, ELZBIETA TROKA, JERZY GOLIK, PAWEL KOLODZIEJCZYK, ANDRZEU JARZE-BSKI, EMILIA CYBULSKA AND EDWARD BOROWSKI.

Application No. 743/Cal/79 filed July 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

4 Claims.

A method for the preparation of inorganic salts of trimethylammonium derivatives of polyene macrolides and having the general formula III



Formula III

wherein R means the residue of polyene macrolide which is attached to the amino group, n=0 or 1 and, x—means an anion of the salt like methylsulphate, sulphate, chloride, phosphate, acctate, characterised by treating polyene macrolide such as herein described in organic solvent or mixture of solvents with dimethylsulphate in the presence of neutralizing agent such as herein described at room temperature with continuous stirring up to completion of the reaction, precipitating the product obtained by the addition of ethyl ether classolved in butanol, washing the organic solvent with water, concentrating under reduced pressure and converting the product obtained into its inorganic salts by known methods.

(Compl. Specn, 11 Pages. Drg. 1 Sheet.)

CLASS 32 F1(b).

151200.

Int. Cl. C 07 d 27/00.

"PROCESS FOR THE PREPARATION OF 2-HYDRO-XYTRYPTAMINE MONOHYDROCHLORIDE."

Applicants: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: SATYESH CHANDRA PAKRASHI, VEN-KATACHALAM SESHA GIRI AND ESAHAK ALI.

Application No. 360/Del/80 filed on 16th May, 1980.

Division of application No. 521/Del/78 filed on 13th July,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005

3 Claims.

Process for the preparation of 2-hydroxytryptamine monohydrochloride (oxindole amine) of formula (II)

comprising oxidation of trytamine monohydrochloride of formula (I)

with dimethyl sulfoxide in acidic medium.

(Compl. Speen, 3 Pages. Drg. 1 Sheet.)

CLASS 32 $F_2(b)$.

151201

Int. Cl. C 07 d 27/00.

"PROCESS FOR THE PREPARATION OF DIMETHYL-4-ETHYL -4-FOBMYL PIMELATE."

Applicants: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: ESAHAK ALI, SATYESH CHANDRA PAK-RASHI AND VENKATACHALAM SESHA GIRI.

Application No. 361/Del/80 filed on 16th May, 1980.

Division of application No. 521/Del/78 filed on 13th July, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

4 Claims.

Process for the preparation of dimethyl -4- ethyl-formyl-pimelate of formula (V)

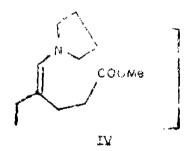
comprising reacting butyral dehyde of formula (I)

with pyrrolidine to form pyrrolidine-enamine of butyraldehyde of formula (II),

$$\bigcap_{n \in \mathbb{N}} \mathbf{N}$$

alkylating the compound of formula (II) formed with methyl acrylate to form methyl -4- formyl hexanoate of formula (III)

and further reacting the compound of formula (III) formed with pyrrolidine to form an unstable enamine compound of formula (IV)



and further alkyalting the same with methyl acrylate to obtain the desired compound of formula (V)

(Compl. Speen, 6 Pages. Drg, 1 Sheet.)

CLASS 55-E2 & 4.

151202.

Int. Cl. A 61 k 21/00.

"PROCESS FOR THE PREPARATION OF SYNERGISTIC PHARMACEUTICAL COMPOSITION CONTAINING NOVEL PENICILLIN DERIVATIVES."

Applicants: PFIZER INC., A CORPORATED ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET. NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor: WAYNE ERNEST BARTH.

Application for Patent No. 823/Del/79 filed on 21st November, 1980.

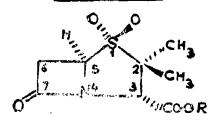
Divided out of application No. 327/Del/78 filed on 4th May, 1978.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

4 Claims.

A process for preparing a synergistic pharmaceutical composition containing a β -lactam antibiotic belonging to the group of penicillins and cephalosporins and a pharmaceutically-acceptable carrier, which comprises adding to the composition a penicillanic acid, 1, 1-dioxide derivative of the formula IA

FORMULA-IA



or a pharmaceutically-acceptable salt thereof, wherein R is hydrogen or an ester-forming residue readily hydrolyzable in vivo which is 3-phthalidyl, 4-crotonolactonyl, Y-butyrolacton-4-yl or a group of the formula X or XI

FORMULA-X.

FORMULA -XI.

wherein each of R^* and R^* is hydrogen, methyl or ethyl and R^* is alkyl having from 1 to 6 carbon atoms.

(Compl. Specn. 27 Pages. Drg. 1 Sheet.)

CLASS 172E.

151203.

Int. Cl. D 02 h 13/00.

APPARATUS FOR USE WITH A TWO-FOR-ONE TWISTING SPINDLE, FOR THE TAKING UP AND TENSION-FREE RELEASE OF A SINGLE PREDETERMINED LENGTH OF THREAD OR THE LIKE.

Applicants: PALITEX PROJECT-COMPANY GMBH., OF WEESERWEG 8, 4150 KREFELD, WEST GERMANY.

Inventor: LOTHAR MARBACHER,

Application No. 52/Cal/79 illed January, 18, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

11 Claims.

Apparatus, for use with a two-for-one twitsing spindle, for the taking-up and tension-free release of a single predeter-mined length of a thread, with a clamp for clamping a free thread end coring from the supply bothin of a two-for-one twisting spindle to which is assigned compressed-air operated threading in means adapted to draw a thread, by injector action, into a thread entry of the spindle, and to propel the thread, by a compressed-air jet, through a thread guide duct of a thread storage disc and, thereafter, upwards through an annular gap between a protective basket and a ballon limiter of said spindle, characterised in that said apparatus comprises a motor-driven carrier for forming a thread loop, which carrier, in its starting position, takes hold of, or is able to take hold of, a thread section located between the thread clamp and the supply bobbin, and is movable along a predetermined straight-line, path of travel, to produce a thread loop, into and end position at which a thread release member is arranged for releasing the thread loop from the thread carrier, and in that said apparatus further comprises a tubular suction nozzle in the form of a compressed-air injector adapted to be moved between a forward position in which it transfers the thread to the thread carrier, and a rearward position in which it abus against a clamping plate or member, thereby forming part of the thread, clamp, suction nozzle being connectable to a compressed-air source for blowing the released thread into the space above the thread entry tube of the spindle.

(Compl. Speen. 16 Pages. Drg. 7 Sheets.)

CLASS 40C.

151204.

Int. Cl. B 01 f 3/08, 17/44; C 10 m 1/06.

EMULSIFIABLE MINERAL OIL CONCENTRATES AND TO METHOD FOR THE PREPARATION OF SAME.

Applicants: MINING & ALLIED MACHINERY CORPORATION LTD., OF CENTRAL TECHNOLOGY DEPARTMENT, DURGAPUR-713210, DT-BURDWAN, WEST BENGAL, INDIA.

Inventor: RANAJIT KUMAR GUHA.

Application No. 287/Cal/79 filed March 23, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

2 Claims. No drawing.

An emulsifiable mineral oil concentrate consisting of an intimate mixture of (i) base oil-48.5 parts by volume, (ii) emulsifying agent 49.0 parts by volume (iii) Antifoam and antirust, additive and stabilising agent 1.5 parts by volume and (iv) flavouring agent 1.0 part by volume, said base oil being a paraffinic base oil having kinematic viscosity of at least 10 centistokes, and fiash point above 165°C, said emulsifying agent being selected from the class of ethoxylated fatty acid type and said stabilizing agent being selected from triethanolamine oleic acid type,

(Compl. Specn. 13 Pages. Drg. NIL.)

CLASS 56F & 84A.

151205.

Int, Cl. C 01 b 1/13, C 10 g 1/06, C 10 j 3/66,

IMPROVEMENTS IN INTEGRATED COAL LIQUE-FACTION-GASIFICATION PROCESS.

Applicants: GULF OIL CORPORATION, OF P.O. BOX 1166, PITTSBURGH, PENNSYLVANIA, 15230, UNITED STATES OF AMERICA.

Inventor: BRUCE KARL SCHMID.

Application No. 390/Cal/79 filed April 18, 1979,

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) The Patent Office, Calcutta.

19 Claims.

A combination coal liquefaction-gasification process comprising passing mineral-containing feed coal, hydrogen, recycle dissolved liquid solvent, recycle normally solid zone to dissolve hydrocarbonaceous material from mineral residue and to hydrocrack said hydro-carbonaceous material to produce a mixture comprising hydrocarbon gases, dissolved liquid, normally solid dissolved coal and suspended mineral residue, separating said normally solid dissolved coal, solvent and mineral residue; recycling to said liquefaction zone a portion of said slurry; passing the remainder of said slurry to distillation means including a vacuum distillation tower for distillation, the slurry bottoms from said vacuum distillation tower comprising a gasifier feed slurry, said gasifier feed slurry comprising substantially the entire normally solid dissolved coal and mineral residue yield of said liquefaction zone substantially without normally liquid coal and hydrocarbon gases; passing said gasifier feed slurry to a gasification zone; said gasifier feed slurry comprising substantially the entire hydrocarbonaceous feed to said gasification zone; said gasification zone including an oxidation zone for the conversion of the hydrocarbonaccous material therein to synthesis gas; converting a portion of said synthesis gas in a shift reaction to a gaseous hydrogen-rich stream and passing said hydrogen-rich stream to said liquefaction zone for use as process hydrogen characterized in that the amount of hydrocarbonaceous material passed to said gasification zone being sufficient to enable said gasification zone to produce an additional amount of synthesis has beyond the amount required to produce process hydrogen which increases the thermal efficiency of said process when burned as fuel in said process; the total combustion heat contact of said additional amount of synthesis gas being between 5 and 100 percent on a heat basis of the total energy requirement of said process; and burning said additional amount of synthesis gas as fuel in said process.

(Compl. Specn. 50 Pages. Drg. 1 Sheet.)

CLASS 172E.

151206.

Int. Cl. B 65 h 49/00; D 01 h 9/02.

THREAD STORAGE AND DELIVERY DEVICE.

Applicants: AKTIEBOLAGET IRO, OF VISTAHOLM S-52301 ULRICEHAMN, SWEDEN.

Inventor: KURT ARNE GUNNAR, JACOBSSON,

Application No. 516/Cal/79 filed May 18, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

7 Claims.

A thread storage and delivery device, comprising a storage drum for intermittent thread delivery, a thread drum for positive thread delivery, the thread drum being co-uxial with the storage drum, and a thread support member located in a transition area between the drums, the arrangement being such that in use the thread is transferred directly from one drum to the other over the support member which permits

movement of the thread circumferentially relative to the drums, wherein the winding directions of the drum are opposite to one another and the drums are relatively rotatable at a peripheral speed which, as an average over the operating time and in the case of an inclastic thread, corresponds to twice the thread delivery speed from the thread drum and in the case of an elastic thread, the unwinding speed of the thread being removed from the storage drum has a higher compensating speed which balances length changes of the elastic thread during the transfer to the thread drum than the winding-up speed of the thread drum.

(Compl. Specn. 16 Pages. Drg 2 Sheets.)

CLASS 140Ba.

151207.

Int. Cl. C 10 g 43/04.

A SOLVENT DEWAXING PROCESS FOR SEPARATING CRYSTALLINE WAX FROM DEWAXED OIL/SOLVENT SOLUTION.

Applicants: TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors: HERBERT JEROME PITMAN, JERRY ER-VIN QUASNY, CHARLES WESLEY HARRISON AND EARL BUFORD SCHELL JR.

Application No. 576/Cal/79 filed June 2, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

9 Claims.

A solvent dewaxing process for separating crystalline wax from dewaxed oil/solvent solution in which a cold mixture comprising wax crystals, dewaxed oil and solvent herein defined at a selected temperature of 20°F to =40°F (-6.5 to -40°C) is charged to a rotary drum vacuum filter case to form a pool of said cold mixture therein, in which a tilter drum having a filter cloth mounted thereon rotates through said pool of cold mixture, in which dewaxed oil and solvent flow through said filter cloth under the influence of a vacuum applied within the drum and a wax cake accumulates upon the face of the filter cloth, in which the filter drum having the wax cake thereon rotates out of the pool of cold mixture. and in which the wax cake is disengaged from the filter drum at a position remote from where the drum emerged from the pool of cold mixture and characterized in that the filter drum. after the disengagement of the wax cake, rotates into the pool of cold mixture for accumulation of additional wax cake upon the filter cloth, wherein the filter cloth is backwashed with a liquid comprising solvent herein defined at a temperature not greater than about 30°F (17°C) above said selected temperature, at a pressure to subject the filter cloth to a pressure in the range of about 12 to 100 psig (1.9 to 7.9 bars absolute), over an area of the filter cloth defined by an are of the filter drum in the range of about 12° to 72° at a position preceding re-entry of the filter cloth into the pool of cold mixture to assist disengagement of the wax cake from the filter cloth and to remove embedded wax and/or resin from the filter cloth thereby increasing the capacity of the filter.

(Compl. Speen, 27 Pages. Drg. 1 Sheet.)

CLASS 32F₂(b).

151208.

No.

Int. Cl. C 07 d 99/14.

PROCESS FOR PRODUCTION OF 6-AMINOPENICIL-LANIC ACID FROM BENZYLPENICILLIN OR PHENO-XYMETHYLPENICILLIN BY USING IMMOBILIZED EN ZYME ON A CARRIER.

Applicants: TOYO JOZO KABUSHIKI KAISHA, OI: 632-1, MIFUKU, OHITO-CHO, TAGATA-GUN, SHIZUO-KA-KEN, JAPAN.

Inventors KUNIO MATSUMOTO AND HIDEJI SEIJO.

Application No. 1236/Cal/79 filed November 26, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta,

4 Claims. No drawing.

Process for production of 6-aminopenicillanic acid characterised by that benzypenicillin or phenoxymethylpenicillin is enzymatically deacylated in the presence of immobilized penicillin acylase bound to a carrier of water-insoluble aminated acrylonitrile polymer having porous structure such as hereinbefore described.

(Compl. Specn. 18 Pages. Drg. Nil.)

OPPOSITION PROCEEDINGS

(1)

The opposition entered by the Director General, Research, Designs, and Standards Organisation to the grant of a patent on application No. 147963 made by M/s. Murugan and Sons as notified in Part-III, Section 2 has been partly allowed and a patent has ordered Gazette of India, dated the 6th June, 1981, to be sealed on the application subject to amendment of the specification.

(2)

An opposition has been entered by M/s. Kay Laboratories to the grant of a patent on the application No. 150203 made by Hindustan Lever Limited.

(3)

An opposition has been entered by M/s. Kay Laboratories Pvt, Ltd. to the grant of a patent on application No. 150203 made by Hindustan Lever Limited.

(4)

An opposition has been entered by M/s. Kay Laboratories Pvt. Ltd., to the grant of a patent on application No. 150204 made by Hindustan Lever Limited.

(5)

The application for Patent No. 142644 by Ashok Kumar and Vijay Kumar in respect of which opposition were entered by Asia Foundation and Constructions Private Limited as notified in Part-III, Section 2 of the Gazette of India dated the 4th March, 1978 has been treated as withdrawn.

PATENTS SEALED

138116 146702 148170 148250 149670 149698 149708 149751 149854 149902 150052 150056 150060 150062 150068 150070 150073 150075 150133 150140 150142 150148 150150

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:——

147855 GKN SCREWS & FASTENERS LIMITED.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of Right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

Title of the invention

145461 (21.04.76) Process for polymerization of olefins.

145473 (29.07.77) Process for preparing substituted 2,3-alky-lene bis (oxy) benzamide derivatives.

145640 (25.11.76) Method of producing an alloy steel.

145755 (07.02.77) Process for the preparation of oxanilic acid derivatives.

145872 (12.04.77) Process for preparing basically substituted xanthine derivatives.

145892 (16.04.77) Synthetic method for the production of 2-chloro-2-methyl-1 nitroso propane.

145905 (07.03,77) Process for preparing indoles.

RENEWAL FEES PAID

 148473
 148474
 148511
 148543
 148697
 148866
 148918
 148952

 148953
 148954
 148957
 148959
 148993
 149049
 149091
 149332

 149357
 149401
 149469
 149547
 149560
 149671
 149673
 149711

 149712
 149744
 149805
 149822
 149825
 149837
 149840
 149846

 149848

CESSATION OF PATENTS

110514 110516 110525 110531 110536 110537 110539 110554 110557 110561 110563 110573 110578 110592 110604 110636 110643 110652 110653 110657 110658 110661 110677 110682

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 145925 dated the 8th July, 1976 made by P. R. Mallory & Co. Inc., on the 12th May, 1980 and notified in the Gazette of India, Part-III. Section 2 dated the 27th September, 1980 has been allowed and the said patent restored.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 110095 dated the 5th April, 1967 made by Diamond Shamrock Technologies SA on the 2nd April, 1982 and notified in the Gazette of India, Part-III Section 2 dated the 31st July, 1982 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class, 1. No. 152060. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cose for Lettering Steneil Plates". 7th July, 1982.
- Class, I. No. 152061. Mrs. Sudarsnan Kapoor of 194. Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cese for Lettering Stencil Plates". 7th July, 1982.
- Class, I. No. 152062. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plate". 7th July, 1982.
- Class. 1. No. 152063. Mrs Sudarshan Kapoor of 194. Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152064. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152065. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.

- Class. 1. No. 152066. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cose for Lettering Stencil Plates". 7th July, 1982.
- Class, 1. No. 152067. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cose for Lettering Stencil Plates". 7th July, 1982.
- Class. I. No. 152068. Mrs Sudarshan Kapoor of 194. Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. I. No. 152069. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152070. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen, "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class, 1. No. 152071. Mis Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cose for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152072. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class, I. No. 152073. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152074. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152075. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. I. No. 152076. M15 Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 1. No. 152043. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Cose for Lettering Stencil Plates". 7th July, 1982.
- Class. 3. No. 152044. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 3. No. 152045. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.
- Class. 3. No. 152046. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.

Class.	3,	No. 152047. Mrs Sudarshan Kapoor of 194, Satya
		Niketan, New Delhi-110021, an Indian Citizen.
		"Packing Case for Lettering Stencil Plates". 7th
		July, 1982.

Class, 3. No. 152048. Mrs Sudarshan Kapoor of 194, Satya Niketan, New Delhi-110021, an Indian Citizen. "Packing Case for Lettering Stencil Plates". 7th July, 1982.

Extn. of Copyright for the Second Period of five years
Nos. 146770, 146640, 146641 Class-3. Extn. of Copyright for the Third period of five years.
Nos. 139807

DR. K. V. SWAMINATHAN, Controller General of Patents, Designs And Trade Marks.

-- -- ------ -----